INTERNATIONAL SEARCH REPORT

International Application No PCT/US2004/013623

			PCT/US2004/013623	
A. CLASSI IPC 7	IFICATION OF SUBJECT MATTER B64D9/00 B65G13/06			
According to	to International Patent Classification (IPC) or to both national class	ification and IDC		
	SEARCHED	ilication and IPC		
	ocumentation searched (classification system followed by classific B64D B65G	ation symbols)		
Documenta	tilon searched other than minimum documentation to the extent that	at such documents are inch	uded in the fields searched	
	tata base consulted during the International search (name of data	base and, where practical	, search terms used)	
EPO-In	ternai			
C. DOCUM	ENTS CONSIDERED TO BE RELEVANT			
Category °	Citation of document, with indication, where appropriate, of the	relevant passages	Relevant to daim No.	
Υ	US 5 547 069 A (PRITCHARD ROBER 20 August 1996 (1996-08-20) the whole document	Г Ј)	· 1-9, 11-48	
Y	WO 02/079071 A (MCCONNELL MATTH LEINGANG ALAN F (US); WOLFE ROB ANCRA) 10 October 2002 (2002-10- cited in the application claims figures	ERT M'(US);	1-9, 11-48	
Υ	US 6 254 033 B1 (URCH MATTHIAS 3 July 2001 (2001-07-03) the whole document	ET AL)	3	
		-/		
V Eur	her documents are listed in the continuation of box C.	V Palacite "		
<u> </u>		X Patent family n	nembers are listed in annex.	
"A" docume consid	ategories of cited documents : ent defining the general state of the art which is not lered to be of particular relevance document but published on or after the international	or priority date and	lished after the International filing date I not in conflict with the application but d the principle or theory underlying the	
filing d "L" docume which citation "O" docume	tate ent which may throw doubts on priority claim(s) or is cited to establish the publication date of another n or other special reason (as specified) ent referring to an oral disclosure, use, exhibition or	cannot be conside involve an inventive "Y" document of particue cannot be conside	clar relevance; the claimed Invention red novel or cannot be considered to estep when the document is taken alone clar relevance; the claimed invention red to involve an inventive step when the ined with one or more other such docu—	
other r "P" docume	means ent published prior to the international filing date but nan the priority date claimed	ments, such comb in the art.	ination being obvious to a person skilled of the same patent family	
Date of the	actual completion of the international search	Date of mailing of the	ne international search report	
1	8 August 2004	30/08/2	004	
Name and n	nalling address of the ISA European Patent Office, P.B. 5818 Patentiaan 2 NL ~ 2280 HV Rijswijk	Authorized officer		
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		PCT/US2004/013623						
C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT								
Category *	Citation of document, with Indication, where appropriate, of the relevant passages	Relevant to claim No.						
Y	US 4 589 542 A (STEADMAN STEPHEN T) 20 May 1986 (1986-05-20) cited in the application the whole document	4-9, 15-20						
A	DE 39 19 613 A (ELECTRO PNEUMATIC INT) 20 December 1990 (1990-12-20) the whole document	1–48						
A,P	the whole document CA 2 373 692 A (AERO UNION CORP) 27 August 2003 (2003-08-27) the whole document	1-48						

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No
PCT/US2004/013623

Patent document cited in search report		Publication date		Patent family member(s)	Publication date	
US 5547069	A	20-08-1996	CA	2056331 A1	31-07-1992	
			DE	69107605 D1	30-03-1995	
			DE	69107605 T2	14-06-1995	
			ΕP	0497045 A1	05-08-1992	
			JP	1967874 C	18-09-1995	
			JP	4303308 A	27-10-1992	
			JP	6104482 B	21-12-1994	
WO 02079071	Α	10-10-2002	CA	2442072 A1	10-10-2002	
			EP	1373122 A2	02-01-2004	
			MO	02079071 A2	10-10-2002	
US 6254033	B1	03-07-2001	DE	19807229 A1	02-09-1999	
			DE	59900563 D1	31-01-2002	
			EP	0937665 A1	25-08-1999	
US 4589542	Α	20-05-1986	NONE			
DE 3919613	Α	20-12-1990	DE	3919613 A1	20-12-1990	
CA 2373692	Α	27-08-2003	CA	2373692 A1	27-08-2003	